SONY

4-239-951-**11**(1)

Mini Hi-Fi Component System

Operating Instructions

Owner's Record

The model and serial numbers are located on the rear of the unit. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. _____ Serial No. _____

MHC-GS100

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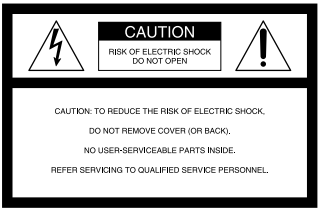
Warning

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

NOTICE FOR THE CUSTOMERS IN THE U.S.A.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

CAUTION

- The use of optical instruments with this product will increase eye hazard.
- You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Note to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

NOTICE FOR THE CUSTOMERS IN CANADA

CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

FOR THE CUSTOMERS IN NORTH AMERICA

ENERGY STAR® is a U.S. registered mark.
As an ENERGY STAR® partner, Sony Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

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How to use this page

Use this page to find the location of buttons and other parts of the system that are mentioned in the text.

Illustration number

PLAY MODE 8 (10, 11)

Name of button/part — Reference page

Main unit

ALPHABETICAL ORDER

A – Q

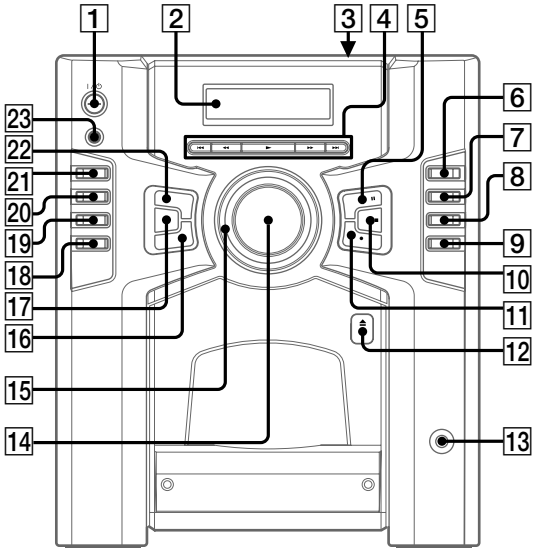
CD 21 (10, 12, 13, 18)
CLEAR 16 (12, 16, 28)
DISC SELECT 15 (9 – 13, 18)
DISPLAY 23 (16, 21, 22, 28)
Display window 2
ENTER 17 (8, 11 – 16, 19, 20, 23, 24)
MENU 22 (12 – 16)
PAUSE ❚❚ 5 (11, 17)
PHONES jack 13
PLAY MODE 8 (10, 11)
PRESET +/– 4 (14 – 16)

R – Z

REC ● PAUSE/START 11 (18, 19)
REPEAT/FM MODE 9 (11, 16)
STOP ■ 10 (11, 17, 18, 25, 28)
TAPE 19 (17)
Tape deck 3
TIMER SELECT 7 (20, 24, 26)
TIMER SET 6 (8, 19, 23)
TUNER/BAND 20 (14 – 16)
TUNING +/– 4 (14 – 16)
VIDEO (MD) 18 (25, 26)
VOLUME 14

BUTTON DESCRIPTIONS

I/⏻ (power) 1
◀◀ (rewind) 4
▶ (play) 4
▶▶ (fast forward) 4
I◀◀ (go back) 4
▶▶I (go forward) 4
⏏ PUSH (front cover) 12
⏏ PUSH (tape deck) 3



Remote Control

ALPHABETICAL ORDER

A – Q

ALBM +/ALBM –* 13 20
CD 25 (10, 12, 13, 18)
CD SYNC 24 (18, 19)
DISC +/DISC – 14 19 (9 – 13, 18)
DISPLAY 26 (16, 21, 22)
ENTER 5 (8, 11 – 16, 19, 20, 23, 24)
GAME* 6
GROOVE 16 (20)
PLAY MODE 2 (10, 11)
PRESET +/PRESET – 12 21 (14 – 16)
PRESET EQ 15 (21)

R – Z

REC 23 (18)
REPEAT 3 (11)
SLEEP 1 (23)
SURROUND 18 (20)
TAPE 7 (17)
TUNER/BAND 8 (14 – 16)
TUNING +/TUNING – 11 22 (14 – 16)
VIDEO (MD) 9 (25, 26)
VOL +/– 17

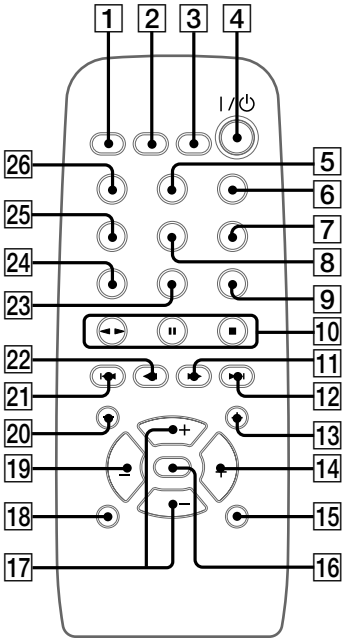
BUTTON DESCRIPTIONS

I/⏻ (power) 4
◄ ► (play)** 10
II (pause) 10
■ (stop) 10
I◄◄ (go back) 21
◄◄ (rewind) 22
►► (fast forward) 11
►►I (go forward) 12

Notes for the supplied remote

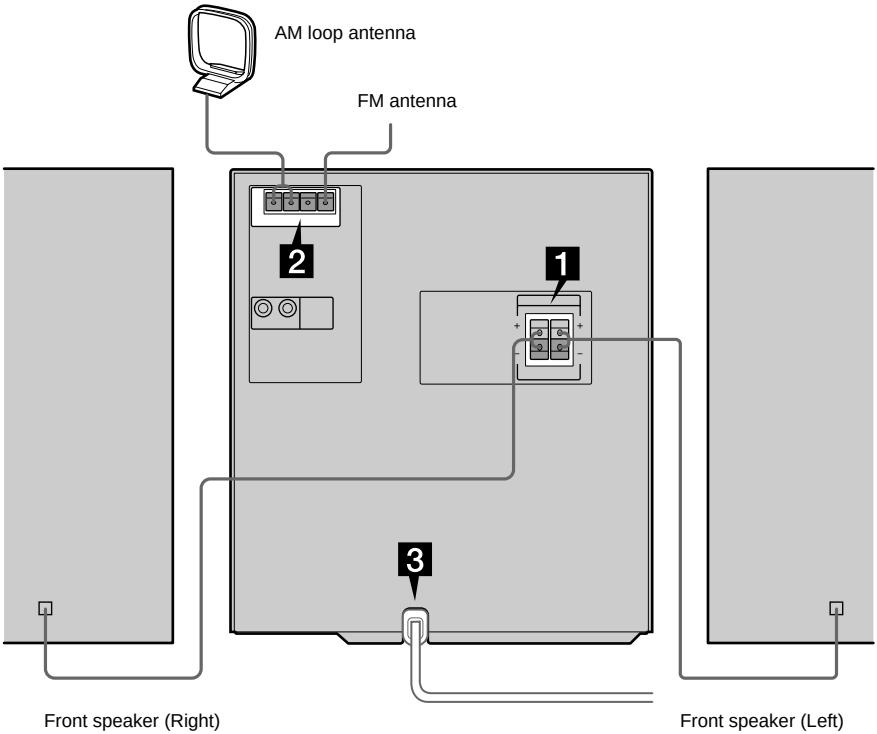
* The GAME button and the ALBM –/ALBM + buttons are not available.

** The tape deck does not play the reverse side.



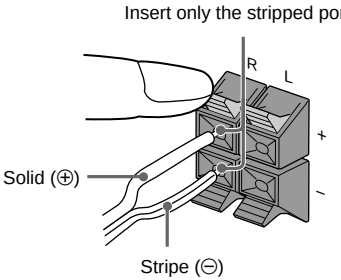
Hooking up the system

Perform the following procedure 1 to 3 to hook up your system using the supplied cords and accessories.



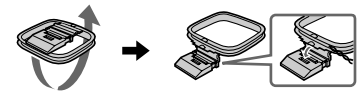
1 Connect the front speakers.

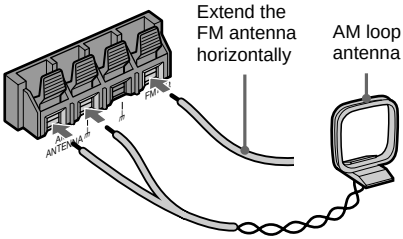
Connect the speaker cords to the SPEAKER jacks on the unit as shown below.



2 Connect the FM/AM antennas.

Set up the AM loop antenna, then connect it.



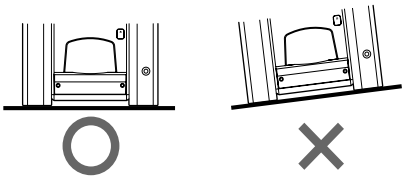


3 Connect the power cord to a wall outlet.

The demonstration appears in the display. When you press I/⏻, the system turns on and the demonstration automatically ends.

Note on placement

Be sure to place this unit on a horizontal place. If the unit is slanted, it may cause malfunction or damage to the system.



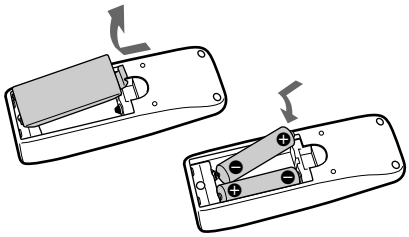
To connect optional components

See page 24 for details.

Note

Keep the speaker cords away from the antennas to prevent noise.

Inserting two size AA (R6) batteries into the remote



Tip

With normal use, the batteries should last for about six months. When the remote no longer operates the system, replace both batteries with new ones.

Note

If you do not use the remote for a long period of time, remove the batteries to avoid possible damage from battery leakage.

Setting the clock

1 **Press I/⏻ to turn on the system.**

2 **Press TIMER SET.**

3 **Press I◀◀ or ▶▶I repeatedly to set the hour.**

4 **Press ENTER.**

5 **Press I◀◀ or ▶▶I repeatedly to set the minute.**

6 **Press ENTER.**

To adjust the clock

1 Press TIMER SET.

2 Press I◀◀ or ▶▶I repeatedly to select "CLOCK SET", then press ENTER.

3 Do the same procedures as step 3 to 6 above.

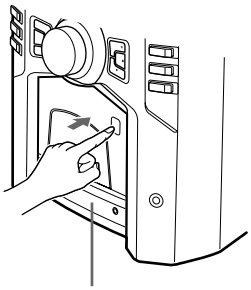
Notes

- The clock settings are canceled when you disconnect the power cord or if a power failure occurs.
- You cannot set the clock in Power Saving Mode.

Loading a CD

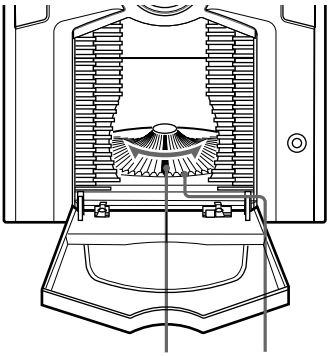
You can load up to 60 discs into this unit. Turn on the system before you load CDs.

1 **Open the front cover by pressing ⏏ PUSH on the front cover.**



Front cover

2 **Turn DISC SELECT (or press DISC – or DISC + on the remote) until you find the disc slot where you want to insert a disc, while checking the disc number (written beside every slot and also indicated in the display).**



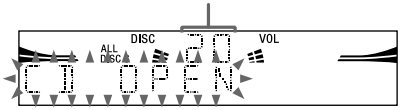
Disc slot at the loading position
(located at the very front)

Disc number

The disc number* at the loading position appears in the display. As you turn DISC SELECT, the disc number changes.

* If you have already loaded discs, the disc number at the playing position appears. When you turn DISC SELECT, the displayed disc number changes to the one at the loading position.

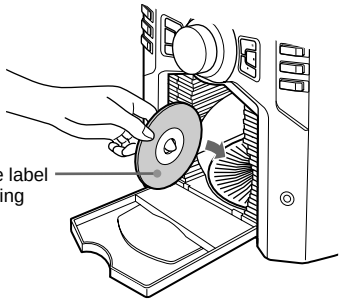
Disc number



3 **Insert a disc with the label side facing right.**

Notes

- Make sure you have loaded the disc into each slot at a right angle to the rotary table. If the disc is not put in straight, it may damage the unit or the disc.
- Make sure the rotary table comes to a complete stop before loading or removing discs.

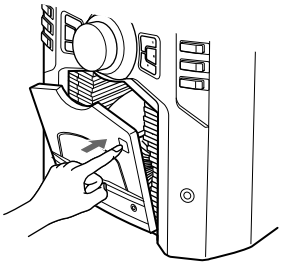


With the label side facing right

4 **Repeat steps 2 and 3 to load additional discs.**

continued

5 **Close the front cover by pressing ⏏ PUSH on the front cover.**



The rotary table turns and the disc slot at the loading position is set to the playing position.

Removing CDs

After following step 1 of “Loading a CD” on page 9, remove the discs. Then close the front cover.

Notes

- Always close the front cover except when you load or remove discs.
- Do not load an empty 8 cm CD adaptor. It may damage the unit.
- Do not attach anything such as seals or sleeves to CDs. It may damage the unit or the disc.
- If you drop a disc into the unit and the CD will not go into the slot correctly, consult your nearest Sony dealer.
- When transporting the unit, remove all discs from the unit.
- If you want to remove the disc played, open the front cover. The disc comes to the loading position. Remove the disc after the rotary table comes to a complete stop.

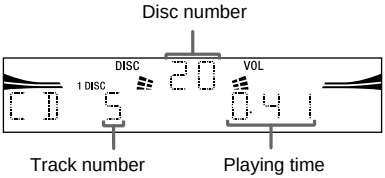
Tip

You can display the original Disc Memos instead of total number of tracks and total playing time (see “Labeling a CD” on page 12) to locate the disc easily when you start playing.
When you select a CD-TEXT disc, the disc title is displayed instead of total number of tracks and total playing time.

Playing a CD

— *Normal Play/Shuffle Play/Repeat Play*

You can play up to 60 CDs continuously. This system lets you play the CD in different play modes.



1 **Press CD to switch the function to CD.**

2 **When you want to specify the disc for 1 DISC, turn DISC SELECT (or press DISC – or DISC + on the remote) until the desired disc number or Disc Memo appears.**

3 **In stop mode, press PLAY MODE repeatedly until the mode you want appears.**

Select	To play
ALL DISCS (Normal Play)	All CDs in the disc tray continuously.
1 DISC (Normal Play)	The CD you have selected in original order.
ALL DISCS SHUF (Shuffle Play)	The tracks on all CDs in random order.
1 DISC SHUF (Shuffle Play)	The tracks on the CD you have selected in random order.
PGM (Program Play)	The tracks on all CDs in the order you want them to be played (see “Programing CD tracks ” on page 11).

4 **Press ► (or ◄ ► on the remote).**

Other Operations

To	Do this
Stop play	Press STOP ■ (or ■ on the remote).
Pause	Press PAUSE ❚❚ (or ❚❚ on the remote). Press again to resume play.
Select a track	During play or pause, press ▶▶I (to go forward) or I◀◀ (to go back).
Find a point in a track	During play, press and hold ▶▶ (to go forward) or ◀◀ (to go back). Release it when you find the desired point.
Select a CD in stop mode	Turn DISC SELECT to the right (to go forward) or to the left (to go back) and release it when you reach the desired CD (or press DISC + or DISC – on the remote).
Play repeatedly (Repeat Play)	Press REPEAT/FM MODE (or REPEAT on the remote) during play until "REP" or "REP 1" appears. REP*: For all the tracks on a CD up to five times. REP 1**: For a single track only. To cancel Repeat Play, press REPEAT/FM MODE (or REPEAT on the remote) until "REP" and "REP 1" disappear.

* For all the tracks on all CDs, press PLAY MODE repeatedly in stop mode to select "ALL DISCS". However, you cannot select "ALL DISCS SHUF" and "REP" at the same time.

** When you select "REP 1", that track is repeated endlessly until Repeat Play is canceled.

Programing CD tracks

— Program Play

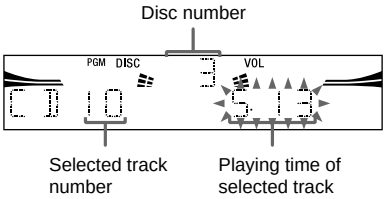
You can make a program of up to 25 tracks from all the CDs in the order you want to play them.

1 **Press CD to switch the function to CD.**

2 **Press PLAY MODE repeatedly until "PGM" appears.**

3 **Turn DISC SELECT (or press DISC – or DISC + on the remote) to select a CD.**
To program all the tracks on a CD at once, go to step 5 with "CDAL" displayed.

4 **Press I◀◀ or ▶▶I repeatedly until the desired track appears.**



5 **Press ENTER.**
The track is programed. The programed track and corresponding step (playing order) appear.

6 **Program additional discs or tracks.**

To program	Repeat steps
Other discs	3 and 5
Other tracks on the same disc	4 and 5
Other tracks on other discs	3 to 5

7 **Press ► (or ◄ ► on the remote).**

continued

Other Operations

To	Do this
Cancel Program play	Press PLAY MODE repeatedly until “PGM” disappears.
Check the program	Press ⏮ or ⏭ repeatedly during Program Play.
Clear a track or disc from the end	Press CLEAR in stop mode.
Clear the entire program	Press and hold CLEAR in stop mode.
Add tracks or discs to the end of program in stop mode	Perform step 6.

Tips

- The program you made remains after Program Play finishes. To play the same program again, press CD, then press ► (or ◄◄ ►► on the remote) in Program Play mode.
- “– –.– –” appears when the total CD program time exceeds 100 minutes, or when you select a CD track whose number is 21 or over.
- The programed disc and track numbers remain until you erase them, so that the system plays only the existing disc and track numbers if you replace discs. However, the disc and track numbers that are not found in the system or on the disc are deleted from the program, and the rest of the program is played in the programed order.

Labeling a CD

— Disc Memo

You can label up to 60 CDs with titles of up to 20 characters. Whenever you load a labeled CD, the title appears in the display.

Notes

- You cannot label a CD-TEXT disc.
- To ensure that Disc Memos are not erased from memory, have the system connected to a wall outlet at least once a day.
- You can label a CD only during Normal Play (when “1 DISC” or “ALL DISCS” is displayed) in stop mode.

1 **Press CD to switch the function to CD.**

If “SHUF” or “PGM”appears, press PLAY MODE repeatedly until both disappear.

2 **Turn DISC SELECT (or press DISC – or DISC + on the remote) until the disc number you want to label appears.**

3 **Press MENU.**

4 **Press ⏮ or ⏭ repeatedly until “NAME IN” appears.**

5 **Press ENTER.**

The cursor appears.

6 **Turn DISC SELECT until the character you want appears.**

You can input the following characters:

- Upper cases (A – Z)
- Numbers (0 – 9)
- Symbols (‘ – ⁄ , + < > _ = `)

7 **Press ▶▶.**

The character you selected in step 6 stops flashing and the cursor shifts to the right.

8 **Repeat steps 6 and 7 to complete the entire title.**

If you make a mistake

Press ◀◀ or ▶▶ until the character you want to change flashes, then repeat steps 6 and 7.

To erase a character

Press CLEAR while the character is flashing. You cannot insert characters.

9 **Press ENTER to complete the labeling procedure.**

To cancel labeling

Press MENU.

Tip

When you replace a disc with a CD-TEXT disc, the disc title of the CD-TEXT disc is automatically restored. The disc title of the CD-TEXT disc is no longer stored (disappears) when the disc is removed.

Note

The Disc Memo stores the number of the slot in which the CD was loaded. Re-enter the Disc Memo when loading a new CD into that slot.

Checking the Disc Memos

1 Press CD to switch the function to CD.
2 Press MENU.
3 Press ⏮ or ⏭ repeatedly until "NAME CHECK" appears, then press ENTER.
4 Turn DISC SELECT to select the Disc Memos stored in the system memory between 01 and 60, then press MENU.

To check the current Disc Memo

Press DISPLAY repeatedly until the Disc Memo appears in stop mode.

Erasing a Disc Memo

1 Press CD to switch the function to CD. If "SHUF" or "PGM"appears, press PLAY MODE repeatedly until both disappear.
2 Press MENU.
3 Press ⏮ or ⏭ repeatedly until "NAME ERASE" appears, then press ENTER.
4 Turn DISC SELECT to select the disc number with the Disc Memo you want to erase, then press ENTER.

Erasing all Disc Memos of all discs

1 Press CD to switch the function to CD. If "SHUF" or "PGM"appears, press PLAY MODE repeatedly until both disappear.
2 Press MENU.
3 Press ⏮ or ⏭ repeatedly until "ALL ERASE" appears, then press ENTER.
4 Press ENTER again until "COMPLETE" appears.

Presetting radio stations

You can preset up to 20 FM stations and 10 AM stations. You can then tune in any of those stations simply by selecting the corresponding preset number.

There are two ways to store the station presets.

To	Method
Automatically tune in all of the stations that can be received in your area and then store them manually	Automatic Tuning Preset
Manually tune in and store the radio frequency of your favorite stations	Manual Tuning Preset

Setting presets through automatic tuning

1 **Press TUNER/BAND repeatedly to select “FM” or “AM”.**

2 **Press and hold TUNING – or + until the frequency indication starts to change, then release it.**

Scanning stops automatically when the system tunes in a station. “TUNED” and “ST” (for a stereo program) appear.

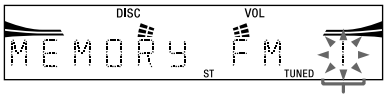
If “TUNED” does not appear and the scanning does not stop

Set the frequency of the desired radio station as described in steps 2 through 7 of “Setting presets through manual tuning”.

3 **Press MENU.**

4 **Press PRESET – or + repeatedly until “MEMORY” appears, then press ENTER.**

A preset number appears.



Preset number

5 **Press PRESET – or + repeatedly to select the desired preset number.**

6 **Press ENTER.**

“COMPLETE” appears.

The station is stored.

7 **Repeat steps 1 to 6 to store other stations.**

Setting presets through manual tuning

1 **Press TUNER/BAND repeatedly to select “FM” or “AM”.**

2 **Press TUNING – or + repeatedly to tune in the desired station.**

3 **Press MENU.**

4 **Press PRESET – or + repeatedly until “MEMORY” appears, then press ENTER.**

A preset number appears.

5 **Press PRESET – or + repeatedly to select the desired preset number.**

6 **Press ENTER.**

7 **Repeat steps 1 to 6 to store other stations.**

Other Operations

To	Do this
Tune in a station with a weak signal	Follow the procedure described in “Setting presets through manual tuning”.
Stop setting presets	Press MENU.
Change the preset station	Start over from step 1.

To change the AM tuning interval

The AM tuning interval is factory-set to 9 kHz (10 kHz in some areas). To change the AM tuning interval, tune in any AM station first, then turn off the system. While holding down ENTER, turn the system back on. When you change the interval, all the AM preset stations are erased. To reset the interval, repeat the same procedure.

Note

You cannot change the AM tuning interval in Power Saving Mode.

Tips

- The preset stations are retained for about a day even if you disconnect the mains lead or if a power failure occurs.
- You can label the preset stations (see page 16).
- To improve broadcast reception, reorient or move the supplied antennas near a window or outdoors.

Listening to the radio

You can listen to a radio station either by selecting a preset station, or by manually tuning in the station.

Listening to a preset station

— *Preset Tuning*

Preset radio stations in the tuner's memory first (see "Presetting radio stations" on page 14).

1 **Press TUNER/BAND repeatedly to select "FM" or "AM".**

2 **Press PRESET – or + repeatedly to tune in the desired preset station.**

Listening to non-preset radio station

— *Manual Tuning*

1 **Press TUNER/BAND repeatedly to select "FM" or "AM".**

2 **Press TUNING – or + repeatedly to tune in the desired station.**

Tips

- To improve broadcast reception, adjust the supplied antennas, or connect a commercially available external antenna.
- When an FM stereo program has static noise, press REPEAT/FM MODE repeatedly until "MONO" appears. There will be no stereo effect, but the reception will improve.
- By pressing and holding TUNING – or +, the frequency indication changes and scanning stops when the system tunes in a station (Automatic Tuning).
- To record from the radio, see "Recording to a tape" on page 18.

Labeling the preset stations

— *Station Name*

You can label each preset station with up to 12 characters (Station Name).

1 **Tune in the preset station you want to label (see "Listening to the radio" on this page).**

2 **Follow the same procedures as from steps 3 to 9 of "Labeling a CD" on page 12.**

To cancel labeling

Press MENU.

To check the preset number and frequency

The station name appears when you tune in the labeled station.

To check the preset number and frequency, press DISPLAY. The preset number and frequency are displayed for 4 seconds and it returns to the station name display.

To erase the name

1 Tune in the station.

2 Press MENU.

3 Press PRESET – or + repeatedly to select "NAME IN", then press ENTER.

4 Press CLEAR repeatedly to erase the name.

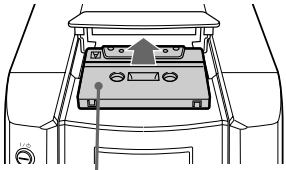
5 Press ENTER.

Loading a tape

You can use only TYPE I (normal) tape.

1 **Press ⏏ PUSH on the tape deck.**

2 **Insert a tape with the side you want to play/record facing up.**



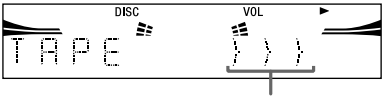
With the side you want to play/record facing up

Playing a tape

1 **Load a tape.**

2 **Press TAPE.**

3 **Press ► (or ◄ ► on the remote).**



Tape playback side

Other Operations

To	Do this
Stop play	Press STOP ■ (or ■ on the remote).
Pause	Press PAUSE ❚❚ (or ❚❚ on the remote). Press again to resume play.
Fast-forward or rewind	Press ◄◄ or ►►.
Remove the cassette	Press ⏏ PUSH on the tape deck in stop mode.

Note

If the system stops during tape playback or recording due to a power failure or other reason, do not attempt to forcibly eject the tape as this may damage the heads. Wait until the power is restored, then be sure to press I/⏻ to turn on the system before ejecting the tape.

Recording to a tape

— CD Synchro Recording/Recording Manually/Program Edit

You can record from a CD (or connected components) or radio. The recording level is adjusted automatically.

Steps	Recording from a CD (CD Synchro Recording)	Recording from a CD (or connected components) or radio manually
1	**Load a recordable tape into the deck.**	
2	**Press CD.**	**Press the function button of the source you want to record.**
3	**Turn DISC SELECT (or press DISC – or DISC + on the remote) to select the CD you want to record.**	**Load the CD (or other audio source), or tune in the station you want to record.**
4	**Press CD SYNC on the remote.**	**Press REC ● PAUSE/START (or REC on the remote).**
	Tape stands by for recording.	
5	**Press REC ● PAUSE/START (or ❚❚ on the remote).** Recording starts.	**Press REC ● PAUSE/START (or ❚❚ on the remote) and then start playing the desired source.**

To stop recording

Press STOP ■ (or ■ on the remote).

Note

After step 4, you cannot pause a CD even if you press PAUSE ❚❚ (or ❚❚ on the remote).

Recording a CD by specifying track order

— Program Edit

1 **Load a recordable tape into the deck.**

2 **Program CD tracks following step 1 to 6 in “Programing CD tracks” on page 11.**

3 **Press CD SYNC on the remote.**

Tape stands by for recording and CD pauses for play.

4 **Press REC ● PAUSE/START (or ❚❚ on the remote).**

Recording starts.

Note

After step 3, you cannot pause a CD even if you press PAUSE ❚❚ (or ❚❚ on the remote).

Timer-recording radio programs

You can record a preset radio station from a specified time.

To timer-record, you must first preset the radio station (see “Presetting radio stations” on page 14) and set the clock (see “Setting the clock” on page 8).

1 **Tune in the preset radio station (see “Listening to the radio” on page 16).**

2 **Press TIMER SET.**

3 **Press I◄◄ or ►►I repeatedly to select “REC SET”, then press ENTER.**

“ON” appears and the hour indication flashes.

4 **Set the time to start recording.**

Press I◄◄ or ►►I repeatedly to set the hour, then press ENTER.

The minute indication flashes.

Press I◄◄ or ►►I repeatedly to set the minute, then press ENTER.

5 **Set the time to stop recording following the procedure in step 4.**

The start time appears, followed by the stop time, the preset radio station to be recorded (e.g., “TUNER FM 5”), then the original display appears.

6 **Load a recordable tape into the deck.**

7 **Press I/⏻ to turn off the system.**

When the recording starts, the volume is reduced to minimum.

continued

Timer-recording radio programs (continued)

Other Operations

To	Do this
Check the setting	Press TIMER SELECT and press ⏮ or ⏭ repeatedly to select "REC". Then, press ENTER. To change the setting, start over from step 1.
Cancel the timer	Press TIMER SELECT and press ⏮ or ⏭ repeatedly to select "TIMER OFF", then press ENTER.

Notes

- If the system is on at the preset time, the recording will not be made.
- When you use the Sleep Timer, Timer-recording will not turn on the system until the Sleep Timer turns it off.

Adjusting the sound

Enjoying the powerful sound

— GROOVE

You can reinforce the bass and create a more powerful sound.

Press GROOVE on the remote.

Each time you press the button, the display changes as follows:

GROOVE ON ⟷ GROOVE OFF (off)

Tip

GROOVE is factory-set to on.

Selecting the surround effect

— SURROUND

Press SURROUND on the remote.

Each time you press the button, the display changes as follows:

SURROUND ON ⟷ SURROUND OFF (off)

Note

When you select other sound effect, the surround effect will be canceled.

Selecting the sound effect

The preset music menu lets you select the sound characteristics according to the sound you are listening to.

Selecting the effect from the music menu

Press PRESET EQ on the remote repeatedly to select the preset you want.

The preset name appears in the display.
See the chart “Sound effect options”.

Sound effect options

“SUR” appears if you select an effect with surround effects.

Effect	
ROCK	Standard music sources
POP	
JAZZ	

To cancel the effect

Press PRESET EQ on the remote repeatedly until “FLAT” appears.

Turning off the display

— Power Saving Mode

The demonstration display (display window and buttons lighting and flashing even when the system power is off) and the clock display can be turned off to minimize the amount of power consumed during standby (Power Saving Mode).

Press DISPLAY repeatedly while the system is off until the demonstration display and the clock display disappear.

To cancel Power Saving Mode

Press DISPLAY while the system is off. Each time you press the button, the display switches cyclically as follows:

Demonstration display → Clock display* → No display (Power Saving Mode)

* “– –:– –” is displayed if you do not set the clock.

Tips

- The timer continues to operate in Power Saving Mode.
- I/⏻ indicator lights up even in Power Saving Mode.

Using the display

You can check the remaining time of the current track or the entire CD. When a CD-TEXT disc is loaded, you can also check the information recorded on the disc, such as the titles.

Checking the remaining time

Press DISPLAY repeatedly during normal play.

Each time you press the button, the display changes cyclically as follows:

Elapsed playing time of the current track → Remaining time of the current track* → Remaining time of the disc** → Track title (CD-TEXT disc only) → Clock display → Effect status

* "– –.– –" appears when you check the remaining time of a CD track whose number is 21 or over.

** "– –.– –" appears during Shuffle Play of a CD which has 21 or more tracks, or during Programme Play when a CD track whose number is 21 or over is selected. "– –.– –" also appears when either "ALL DISCS", "ALL DISCS SHUF", "1 DISC SHUF" or "PGM" is displayed (see page 10).

Checking the total playing time

Press DISPLAY repeatedly in stop mode.

Each time you press the button, the display changes cyclically as follows:

TOC display*1 → Disc Memo or Disc title*2 → Clock display → Effect status

*1 TOC = Table of Contents; displays current disc number, total number of tracks on the disc, and total playing time of the disc

*2 For labeled CD or CD with CD-TEXT

Depending on the disc, some CD-TEXT information may not appears.

Falling asleep to music

— *Sleep Timer*

You can set the system to turn off after a certain time, so that you can fall asleep to music.

Press SLEEP on the remote.

Each time you press the button, the minute display (the turn-off time) changes cyclically as follows:

SLEEP AUTO* → SLEEP 90MIN → SLEEP 80MIN → SLEEP 70MIN → ··· → SLEEP 10MIN → SLEEP OFF

* The system turns off when the current CD or tape finishes playback (for up to 100 minutes).

To	Press
Check the remaining time**	SLEEP on the remote once.
Change the time to turn off	SLEEP on the remote repeatedly to select the time you want.
Cancel the Sleep Timer function	SLEEP on the remote repeatedly until "SLEEP OFF" appears.

** You cannot check the remaining time when you select "SLEEP AUTO".

Waking up to music

— *Daily Timer*

You can wake up to music at a preset time. Make sure you have set the clock (see "Setting the clock" on page 8).

1 **Prepare the music source you want to play.**
- CD: Load a CD. To start from a specific track, make a program (see "Programing CD tracks" on page 11).
- Tape: Load a tape with the side you want to play facing forward.
- Radio: Tune in the preset station you want (see "Listening to the radio" on page 16).

2 **Adjust the volume.**

3 **Press TIMER SET.**

4 **Press I◄◄ or ►►I repeatedly to select "DAILY SET", then press ENTER.**

"ON" appears and the hour indication flashes.

5 **Set the time to start playing.**

Press I◄◄ or ►►I repeatedly to set the hour, then press ENTER.

The minute indication flashes.

Press I◄◄ or ►►I repeatedly to set the minute, then press ENTER.

6 **Set the time to stop playing following the procedure in step 5.**

continued

Waking up to music (continued)

7 **Press I◄◄ or ►►I repeatedly until the music source you want appears.**
The indication changes as follows:

→ TUNER ↔ CD PLAY ←
→ TAPE PLAY ←

8 **Press ENTER.**
The type of timer, followed by the start time, stop time, and the music source, appear, then the original display appears.

9 **Press I/⏻ to turn off the system.**

Other Operations

To	Do this
Check the setting	Press TIMER SELECT and press I◄◄ or ►►I repeatedly to select “DAILY”, then press ENTER.
Change the setting	Start over from step 1.
Cancel the timer	Press TIMER SELECT and press I◄◄ or ►►I repeatedly to select “TIMER OFF”, then press ENTER.

Tip

The system turns on 15 seconds before the preset time.

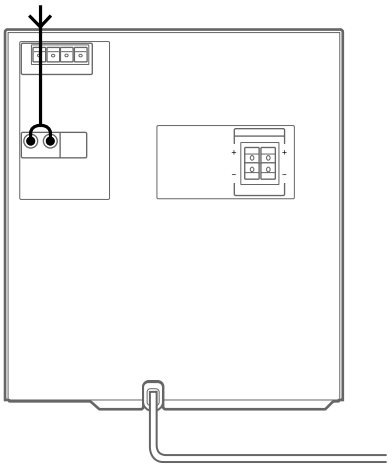
Notes

- When you use the Sleep Timer, the Daily Timer will not turn on the system until the Sleep Timer turns it off.
- You cannot activate the Daily Timer and the Timer-recording at the same time.

Hooking up optional components

You can connect an optional component to this system.

From the audio output jacks of an MD deck, a VCR, etc.



VIDEO (MD) IN

Use audio cords (not supplied) to connect an optional component (such as an MD deck, a VCR, etc.) to these jacks. You can then record or listen to analog audio from that component through this system.

Listening to audio from a connected component

Listening to the analog sound of an MD deck, a VCR, etc.

1 **Connect the audio cords.**
See “Hooking up optional components” on page 24.

2 **Press VIDEO (MD) to select “VIDEO” or “MD”.**
Start playing the connected component.

To switch the VIDEO function to MD

When you listen to a connected MD deck, perform the following operation.

1 Turn off the system.

2 Press VIDEO (MD) while holding down STOP ■.
The function switches to MD.

Tip

Once you enable the MD function, just press VIDEO (MD).

Notes

- The function is factory-set to VIDEO.
- If you want to switch back to the VIDEO funtion, perform the operation described above to switch to the VIDEO function.
- You cannot switch the function in Power Saving Mode.

Recording audio from a connected component

1 **Connect the audio cords.**
See “Hooking up optional components” on page 24.

2 **Start recording manually.**
See “Recording to a tape” on page 18.

Problems and remedies

If you have any problem using this system, use the following check list.

First, check that the power cord is connected firmly and the speakers are connected correctly and firmly.

Should any problem persist, consult your nearest Sony dealer.

General

The display starts flashing as soon as you plug in the power cord even though you have not turned on the system (see step 3 of "Hooking up the system" on page 6).

- Press DISPLAY twice when the system is turned off. The demonstration disappears.

"– –:– –" appears in the display.

- A power interruption occurred. Set the clock and timer settings again.

The clock setting/radio presetting/timer is canceled.

- The power cord is disconnected or a power failure occurs longer than half a day.
  Redo the following:
  — "Setting the clock" on page 8
  — "Presetting radio stations" on page 14
  If you have set the timer, also redo "Waking up to music" on page 23 and "Timer-recording radio programs" on page 19.

There is no sound.

- Turn VOLUME clockwise (or press VOL + on the remote).
- The headphones are connected.
- Insert only the stripped portion of the speaker cord into the SPEAKER jack. Inserting the vinyl portion of the speaker cord will obstruct the speaker connections.
- There is no audio output during timer recording.

There is severe hum or noise.

- A TV or VCR is placed too close to the stereo system. Move the stereo system away from the TV or VCR.
- Connect the system to a different wall outlet.
- Install a noise filter (commercially available) to the power line.

The sound from the connected source is distorted when VIDEO function is selected.

- Select the MD function. If "VIDEO" appears in the display when you press VIDEO (MD), switch the function to MD (see "Listening to audio from a connected component" on page 25).

The timer does not function.

- Set the clock correctly.

"DAILY", and "REC" do not appear when you press TIMER SELECT.

- Set the timer correctly.
- Set the clock.

The remote does not function.

- There is an obstacle between the remote and the system.
- The remote is not pointing in the direction of the system's sensor.
- The batteries have run down. Replace the batteries.

The color irregularity on a TV screen persists.

- Turn off the TV set once, then turn it on after 15 to 30 minutes. If the color irregularity still persists, place the speakers farther away from the TV set.

Speakers

Sound comes from one channel or unbalanced left and right volume.

- Connect the speaker cords properly (see page 7).
- Place the speakers as symmetrically as possible.
- Connect only one of the supplied speakers to each set of speaker terminals.
- Connect the supplied speakers.

Sound lacks bass.

- Check that the speaker's + and – jacks are connected correctly.

CD Player

The CD will not play.

- Close the front cover.
- Check if the CD is correctly loaded in the slot.
- The CD is dirty.
- The CD is loaded with the label side facing left.
- There is moisture on the CD.

Play does not start from the first track.

- The player is in Program or Shuffle Play mode. Press PLAY MODE repeatedly until “PGM” or “SHUF” disappears.

The sound skips.

- The CD is dirty.
- Replace the CD.
- Try moving the system to a place without vibration (e.g., on top of a stable stand).
- Try moving the speakers away from the system, or placing them on separate stands.
- When you listen to a track with bass sounds at high volume, the speaker vibration may cause the sound to skip.

Tape Deck

The tape does not record.

- No tape in the cassette holder.
- The tab has been removed from the cassette (see “To save a tape permanently” on page 29).
- The tape has reeled to the end.

The tape does not record nor play or there is a decrease in sound level.

- The heads are dirty (see “Cleaning the tape heads” on page 29).
- The record/playback heads are magnetized (see “Demagnetizing the tape heads” on page 29).

The tape does not erase completely.

- The record/playback heads are magnetized (see “Demagnetizing the tape heads” on page 29).

There is excessive wow or flutter, or the sound drops out.

- The capstans or pinch rollers are dirty (see “Cleaning the tape heads” on page 29).

Noise increases or the high frequencies are erased.

- The record/playback heads are magnetized (see “Demagnetizing the tape heads” on page 29).

After pressing ► (or ◄ ► on the remote) or ⏏ PUSH on the tape deck, there is a mechanical noise, “EJECT” appears, and the system enters standby mode automatically.

- The tape was not loaded correctly.

Tuner

There is severe hum or noise (“TUNED” or “ST” flashes in the display).

- Adjust the antenna.
- The signal strength is too weak. Connect the external antenna.
- The supplied FM antenna receives signals along its entire length, so make sure you extend it fully.
- Locate the antennas as far away from the speaker cords as possible.
- Consult your nearest Sony dealer if the supplied AM antenna has come off the plastic stand.
- Try turning off surrounding electrical equipments.

A stereo FM program cannot be received in stereo.

- Press REPEAT/FM MODE so that “ST” appears.

continued

Problems and remedies (continued)

If other troubles not described above occur, reset the system as follows:

1 Unplug the power cord.

2 Plug the power cord back in.

3 Press I/⏻ to turn on the system.

4 Press STOP ■, CLEAR, and DISPLAY at the same time.

The system is reset to the factory settings. All the settings you made are cleared. Be sure to restore all necessary settings.

Messages

One of the following messages may appear or flash in the display during operation.

NO DISC

- There is no CD in the disc slot.

OVER

- You have reached the end of the CD.

STEP FULL

- You tried to program 26 or more tracks (steps).

Precautions

On operating voltage

Before operating the system, check that the operating voltage of your system is identical with the voltage of your local power supply.

On safety

- Unplug the system from the wall outlet (mains) if it is not to be used for an extended period of time. To disconnect the cord (mains lead), pull it out by the plug. Never pull the cord itself.
- Should any solid object or liquid fall into the component, unplug the system and have it checked by qualified personnel before operating it any further.

On placement

- Do not place the system in an inclined position.
- Do not place the system in locations where it is:
  - — Extremely hot or cold
  - — Dusty or dirty
  - — Very humid
  - — Subject to vibrations
  - — Subject to direct sunlight.

On heat buildup

- Although the unit heats up during operation, this is not a malfunction.
- Place the unit in a location with adequate ventilation to prevent heat buildup in the unit.

If you continuously use this unit at a large volume, the cabinet temperature of the top, side and bottom rises considerably. To avoid burning yourself, do not touch the cabinet.

To prevent a malfunction, do not cover the ventilation hole for the cooling fan.

On operation

- If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the CD player. Should this occur, the system will not operate properly. Remove the CD and leave the system turned on for about an hour until the moisture evaporates.
- When you move the system, take out any discs.

If you have any questions or problems concerning your stereo system, please consult your nearest Sony dealer.

On the speaker system

This speaker system is not magnetically shielded. Therefore, leave a space of 5 to 10 cm or more when placing the speakers next to a television.

Notes on CDs

- Before playing, clean the CD with a cleaning cloth. Wipe the CD from the center out.
- Do not use solvents.
- Do not expose the CD to direct sunlight or heat sources.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.

Note on CD-R/CD-RW playback

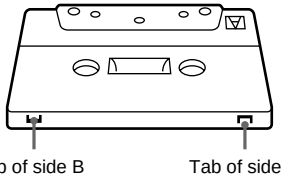
Discs recorded on CD-R/CD-RW drives may not be played back because of scratches, dirt, recording condition or the drive's characteristics. Besides, the discs, which are not yet finalized at the end of recording, cannot be played back.

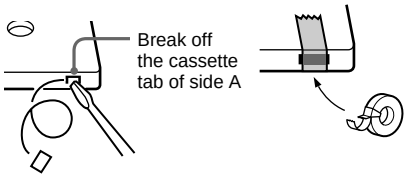
Cleaning the cabinet

Use a soft cloth slightly moistened with mild detergent solution.

To save a tape permanently

To prevent a tape from being accidentally recorded over, break off the cassette tab from side A or B as illustrated. If you later want to reuse the tape for recording, cover the broken tab with adhesive tape.





Before placing a cassette in the tape deck

Take up any slack in the tape. Otherwise the tape may get entangled in the parts of the tape deck and become damaged.

When using a tape longer than 90 minutes

The tape is very elastic. Do not change the tape operations such as play, stop, and fast-winding frequently. The tape may get entangled in the tape deck.

Cleaning the tape heads

Clean the tape heads after every 10 hours of use.

Be sure to clean the tape heads before you start an important recording or after playing an old tape. Use a separately sold dry-type or wet-type cleaning cassette. For details, refer to the instructions of the cleaning cassette.

Demagnetizing the tape heads

Demagnetize the tape heads and the metal parts that have contact with the tape every 20 to 30 hours of use with a separately sold demagnetizing cassette. For details, refer to the instructions of the demagnetizing cassette.

Specifications

Amplifier section

U.S.A. model:

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

with 6 ohms loads both channels driven, from 120 – 10,000 Hz; rated 50 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.

Continuous RMS power output	50 + 50 watts (6 ohms at 1 kHz, 10% THD)
Total harmonic distortion	less than 0.09% (6 ohms at 1 kHz, 30 watts)

Inputs
VIDEO (MD) (phono jacks): voltage 250 mV/450 mV, impedance 47 kilohms

Outputs
PHONES (stereo phone jack): accepts headphones of 8 ohms or more
SPEAKER: accepts impedance of 6 to 16 ohms

CD player section

System	Compact disc and digital audio system
Laser	Semiconductor laser (λ = 780 nm) Emission duration: continuous
Frequency response	2 Hz – 20 kHz (±0.5 dB)
Wavelength	780 – 790 nm
Signal-to-noise ratio	More than 90 dB
Dynamic range	More than 90 dB

Tape player section

Recording system	4-track 2-channel stereo
Frequency response	40 – 13,000 Hz (±3 dB), using Sony TYPE I cassette
Wow and flutter	±0.15% W.Peak (IEC) 0.1% W.RMS (NAB) ±0.2% W.Peak (DIN)

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range	87.5 – 108.0 MHz
Antenna	FM lead antenna
Antenna terminals	75 ohms unbalanced
Intermediate frequency	10.7 MHz

AM tuner section

Tuning range	530 – 1,710 kHz (with the interval set at 10 kHz) 531 – 1,710 kHz (with the interval set at 9 kHz)
Antenna	AM loop antenna
Antenna terminals	External antenna terminal
Intermediate frequency	450 kHz

Speaker

Speaker system	3-way, bass-reflex type
Speaker units	
Woofer:	13 cm, cone type
Tweeter:	5 cm, cone type
Super Tweeter:	2 cm, dome type
Nominal impedance	6 ohms
Dimensions (w/h/d)	Approx. 210 × 325 × 241 mm
Mass	Approx. 2.8 kg net per speaker

General

Power requirements:	120 V AC, 60 Hz
Power consumption:	100 watts
Dimensions (w/h/d) incl. projecting parts and controls:	Approx. 280 × 325 × 465 mm
Mass :	Approx. 8.8 kg
Supplied accessories:	Remote commander (1) Batteries (2) AM loop antenna (1) FM lead antenna (1)

Design and specifications are subject to change without notice.

Sony Corporation Printed in China http://www.sony.net/